

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A condensing apparatus of a dish washer for condensing vapor inside a dish washer tub, the condensing apparatus comprising:

an air duct for circulating and condensing vapor from inside the tub, the air duct including a condensed water discharge port for discharging moisture condensed from the vapor and a vapor exhaust port spaced apart from the condensed water discharge port for exhausting vapor from[[,]] which moisture has been removed[[,]] into the outside of the dish washer; and

a blower including a condenser fan for blowing air at the air duct to exchange heat with the vapor circulating inside the air duct, and a dryer fan for providing suctioning force to suction vapor from inside the tub,

wherein the air duct further includes a portion between the condensed water discharge port and the vapor exhaust port, the portion being inclined at a predetermined angle to dispose the condensed water discharge port lower than the vapor exhaust port[[.]].

wherein the air duct forms a vapor passage, comprised of a plurality of vertically stacked horizontal duct segments spaced apart from each other in a vertical direction, a first end of a topmost horizontal duct segment being fluidly coupled to the blower, and each of the remaining plurality of horizontal segments being fluidly connected to the horizontal duct segment directly above it by a curved duct segment such that the air duct folds horizontally back and forth upon itself to form a vertical stack of horizontal duct segments.

2. (Previously presented) The condensing apparatus according to claim 1, wherein the condenser fan is capable of blowing air along an outside surface of the air duct.

3. (Original) The condensing apparatus according to claim 1, wherein the blower further includes a motor for driving the condenser fan and the dryer fan together.

4. (Original) The condensing apparatus according to claim 3, wherein the motor has a rotating shaft to which both the condenser fan and the dryer fan are mounted.

5. (Original) The condensing apparatus according to claim 1, wherein the condenser fan is disposed at a front of the blower.

6. (Original) The condensing apparatus according to claim 1, wherein the dryer and/or the condenser fan is a cross-flow fan.

7. (Original) The condensing apparatus according to claim 1, wherein the blower is disposed at a top of the air duct.

8-9. (Canceled)

10. (Currently amended) A condensing apparatus of a dish washer for condensing vapor inside a dish washer tub, the condensing apparatus comprising:

an air duct for circulating and condensing vapor from inside the tub, the air duct including a condensed water discharge port for discharging moisture condensed from the vapor and a vapor exhaust port spaced apart from the condensed water discharge port for exhausting vapor from which moisture has been removed into the outside of the dish washer;

a dryer fan for generating suctioning force to suction vapor from inside the tub into the air duct;

a motor for driving the dryer fan; and

a condenser fan for blowing air at the air duct to exchange heat with the vapor circulating inside the air duct, the condenser fan driven by the motor,

wherein the air duct further includes a portion between the condensed water discharge port and the vapor exhaust port, the portion being inclined at a predetermined angle to dispose the condensed water discharge port lower than the vapor exhaust port[[]],

wherein the air duct further includes :

a plurality of horizontal parts forming a plurality of horizontal air duct segments;

a plurality of vertical parts, configured to be bent upward from a first end of a horizontal air duct segment and downward from a second end, opposite to the first end, wherein each upwardly bent vertical part is in fluid communication with a corresponding downwardly bent vertical part of the horizontal segment immediately above it, so that the air duct folds horizontally back and forth upon itself to form a vertical stack of horizontal duct segments.

11. (Canceled)

12. (Previously presented) The condensing apparatus according to claim 10, wherein the motor has a rotating shaft to which both the dryer fan and the condenser fan are coupled.

13. (Original) The condensing apparatus according to claim 10, further comprising a blower to which the dryer fan, the motor, and the condenser fan are installed.

14. (Original) The condensing apparatus according to claim 13, wherein the condenser fan is disposed at a front of the blower.

15. (Previously presented) The condensing apparatus according to claim 10, wherein the condenser fan is capable of blowing air along an outside surface of the air duct.

16. (Original) The condensing apparatus according to claim 10, wherein the dryer fan and/or the condenser fan is a cross-flow fan.

17-20. (Canceled)

21. (Previously presented) The condensing apparatus according to claim 1, wherein the air duct includes a ridge configured to protrude a predetermined height from floor thereof.

22. (Previously presented) The condensing apparatus according to claim 10, wherein the air duct includes a ridge configured to protrude a predetermined height from floor thereof.

23. (Canceled)